

NNABUKO, MIRACLE CHIDINMA.

Phone: +234 70-6434-8121 | **Email:** nnabukomiracle@gmail.com
LinkedIn: [LinkedIn](#) | **Git**Hub: [GitHub](#) | **Website:** portfolio.autosyshub.com
Address: Victory Estate, Elelenwo, Port Harcourt - Nigeria.

CORE COMPETENCIES

- Microsoft Azure
 - Application Monitoring (Dynatrace, Datadog)
 - Containerization (Docker, Kubernetes)
 - CI/CD (Jenkins, Azure Pipelines)
- Git
 - Terraform
 - SQL
 - Linux
- Python
 - HTML, CSS, JavaScript, and AVR C/C++
 - Networking Configuration and Maintenance
 - Django

EDUCATION

B. Eng in Electrical/ Electronic Engineering (Second Class Upper Division) Federal University of Technology, Owerri – Nigeria.	2013 - 2018
Nanodegree – Cloud developer Udacity, ALX-T	Jul, 2022 - Nov, 2022

PROJECTS

Ern-hive Web App CI/CD (ernh) <ul style="list-style-type: none"> Designed and implemented a fully automated CI/CD pipeline using Jenkins, reducing deployment time by over 50% Deployed the Ernhive app on Oracle Instance using the Publish Over SSH Plugin in Jenkins
Udagram Image Filtering Application (Udagram) <ul style="list-style-type: none"> Refactored the Udagram monolith application into microservices Implemented a CI/CD pipeline using Travis CI and deployed the microservices on AWS EKS
Email Scheduling Application (emailscheduler) <ul style="list-style-type: none"> Developed an email scheduling application using Django Used Celery and Redis to handle and execute the scheduled email tasks
Event Registration Form (Registration-form) <ul style="list-style-type: none"> Developed an event registration form where users can register for an event using Django Generated a confirmation email with a unique event ID
Serverless To-Do App (c4-final-project) <ul style="list-style-type: none"> Developed an application using NodeJS and Serverless Framework on AWS that allows creating/removing/updating/fetching TODO items. Each TODO item can optionally have an attachment image. Each user only has access to TODO items that he/she has created.

WORK EXPERIENCE

Nathan Claire Africa, (Lagos Nairobi London) Observability Engineer Responsibilities: • Implementation and maintenance of Application Performance Monitoring platforms and Site Reliability Engineering tools for digital transformation in West and East Africa. • Key Accomplishment: <ul style="list-style-type: none"> Set up and configured Application Performance Monitoring (APM) Tools for over ten of the leading businesses/companies in West and East Africa, trained clients on the usage of Dynatrace monitoring tool. Conducted root cause analysis (RCA) and tackled complex application performance issues. Pioneered the Migration of an environment using Monitoring as Code (Monaco) for First City Monument Bank. Developed Plugins with Python, Installed the plugins, and provided technical support for clients. Collaborated with cross-functional teams, including developers, infrastructure engineers, and operations teams, to improve system reliability and performance. Developed and monitored Django web applications on Dynatrace and Datadog monitoring solutions Integrated Monitoring tools with 3rd party applications in the bank’s system such as ITSM and BI tools (PowerBI, ServiceNow, Jira). Carried out APM Tool Integrations with Cloud Platforms (Azure, AWS, GCP) Configured and setup Alteon LB Snmp extension for Safaricom Facilitated training sessions on Site Reliability and cloud observability tools for clients in East and West Africa. Analyzed customer data using USQL, utilizing visualization and exploratory data analysis to understand customer data co-relative behaviors. Program Management: Develop comprehensive project plans. Conduct formal reviews, walk-throughs, and informal reviews on business and technical requirements. 	2020 - Present
Relational Experience: <ul style="list-style-type: none"> Supervised five Technical Consultants in the West African Support team of the organization. Team management and project prioritization to meet Service Level Agreement Collaborated with various team members to carry out various training sessions for the sales team 	
Sidmach Technologies Nigeria Limited, Lagos Network Engineer - Graduate Intern (NYSC) Responsibilities: Support and maintenance of IT systems, including LAN, WAN, and related systems. In-house IT equipment and network support. • Key Accomplishment: <ul style="list-style-type: none"> Configured and maintained network hardware and software, provided beneficial network advice and support to end-users, and tested installed systems Talked staff or clients through a series of actions, either face-to-face or over the phone, to help set up systems or resolve issues 	2019 - 2020

- Troubleshoot system and network problems, diagnosed and solved hardware or software faults
- Carried out software/hardware evaluations and technical analysis to meet the company’s IT goals
- Deployed new software releases, system upgrades, evaluation, and installation patches, and resolved software-related issues

Sidmach Technologies Nigeria Limited, Lagos
Student Intern (IT)
Responsibilities: Support, configure and maintain network hardware and software, provided beneficial network advice and support to end-users.
• Key Accomplishment:

- Troubleshoot system and network problems, diagnosed and solved hardware or software faults
- Assisted the network maintenance department to set up a wireless LAN for Lagos Water Corporation
- Configured and tested computer software and products such as Smartpen
- Installed advanced operating system software on servers and workstations

2017 - 2018

RESEARCH EXPERIENCE

Electrical and Electronics Engineering Lab, Federal University of Technology, Owerri.
 Bachelor’s Thesis Project
 Department of Electrical/ Electronic Engineering, Federal University of Technology Owerri, Nigeria
Topic: Design and implementation of an embedded poultry farm

- Developed an algorithm to automatically regulate and maintain an optimum condition for broiler chicks using sensors
- Programed an Arduino microcontroller using AVR C/C++
- Simulated the system using Proteus 8 simulation software

Result:

- Successfully designed and tested an embedded Arduino-based Poultry Farm
- The climatic condition within the poultry farm based on temperature and humidity was adequately controlled and maintained within the range conducive for the chicks.

2018 -2019

PUBLICATION

Conference paper
 L. Ezema, M. Nnabuko, C. Ben-Okpara, and H. Orah, “Design and implementation of an embedded poultry farm,” IEEE 1st International Conference on Mechatronics, Automation and Cyber-Physical Computer Systems, 2019.
[\(PDF\) Design and Implementation of an Embedded Poultry Farm \(researchgate.net\)](#)

COMMUNITY INVOLVEMENT

Prime Africans Network, Abuja Nigeria
 Training Facilitator

- Organize career and leadership training for youths
- Coordinate community development projects

2016 - Present

Nigeria Christian Corpers’ Fellowship
 Rural Rugged Outreach Participant

- Distributed clothing and food items to the rural community at Ibeju-Lekki
- Assisted in the counseling session

2019

SKILL HIGHLIGHTS

- Critical Reasoning and Analysis
- Good Problem solving and Debugging Skills
- Effective Teamwork and Collaboration Skills
- Excellent Communication and Relationship Skills
- Attention to detail and High Teachability Index

Tools:
 Visual Studio Code, Azure DevOps, Git, Zoho, Jenkins, Travis CI, Ansible, Pycharm

AWARDS AND CERTIFICATIONS

- JavaScript Programming Foundations (Udacity)
- AWS Certified Cloud Practitioner
- ALX-T Cloud Developer (Udacity)
- Microsoft Azure Administrator
- Dynatrace Associate
- Graduate Member, The Nigerian Society of Engineers
- Python for Data Science: Intermediate (Dataquest.io)
- Award of Distinction, Christ Ambassadors Students’ Outreach
- Ambassador, Prime Africans Network
- Certificate of Participation. (Capacity Development Training Workshop on Solar PV Installation). FUTO Consult Ltd.
- Agbami Medical and Engineering Scholarship Award
- Total (E&P) National Merit Scholarship Award

2022
2022
2022
2021
2020
2020
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2018
2018
2018
2014
2014

REFEREES

Available on request